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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/696,254	10/29/2003	Hui Lin Chang	24061.36 (2002-0939) 7076	
42717 7.	590 07/06/2006		EXAM	INER
HAYNES AND BOONE, LLP 901 MAIN STREET, SUITE 3100 DALLAS, TX 75202			ERDEM, FAZLI	
			ART UNIT	PAPER NUMBER
- ,			2826	

DATE MAILED: 07/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

 ;		Application No.	Applicant(s)
		10/696,254	CHANG, HUI LIN
	Office Action Summary	Examiner	Art Unit
		Fazli Erdem	2826
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address
A SHO WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATES as is not of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be time rill apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	l. ely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status			
2a)□	Responsive to communication(s) filed on <u>06 Ju</u> This action is FINAL . 2b) ☑ This Since this application is in condition for allowan closed in accordance with the practice under E	action is non-final. ace except for formal matters, pro	
Dispositi	on of Claims		
5)⊠ 6)⊠ 7)⊠ 8)□	Claim(s) 10-24,26-29 and 32-34 is/are pending 4a) Of the above claim(s) is/are withdraw Claim(s) 10-23 and 32-34 is/are allowed. Claim(s) 24,26,27 and 29 is/are rejected. Claim(s) 28 is/are objected to. Claim(s) are subject to restriction and/or on Papers	vn from consideration.	
	•	_	
10)□	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correcti The oath or declaration is objected to by the Ex	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).
Priority u	nder 35 U.S.C. § 119		
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureausee the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been receive (PCT Rule 17.2(a)).	on No d in this National Stage
Attachment	(s) e of References Cited (PTO-892)	4) 🔲 Interview Summary ((PTO 413)
2) Notice (3) Inform	e of Neterences Cited (P10-692) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 'No(s)/Mail Date	Paper No(s)/Mail Da	

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DETAILED ACTION

Allowable Subject Matter

- 1. Claims 10-23 and 32-34 allowed.
- 2. Claim 28 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 4. Claims 24, 26, 27 and 29 rejected under 35 U.S.C. 102(e) as being anticipated by Iyer et al. (2005/0255714).

Regarding Claim 24, Iyer et al. disclose a method for silicon nitride chemical vapor deposition where in Fig. 4, plurality of doped regions 432 formed over substrate 430, plurality of isolation regions 433 and 440 each proximate a junction of adjacent ones of the plurality of doped regions wherein at least a portion of the plurality of isolation regions 433 and 440 comprises carbon nitride.

Regarding Claim 26, the two doped regions labeled as 432 are oppositely doped.

Regarding Claim 27, isolation region 433 is a field oxide region.

Regarding Claim 29, isolation regions 433 and 440 are comprised of polycrystalline carbon nitride.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fazli Erdem whose telephone number is (571) 272-1914. The examiner can normally be reached on M - F 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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June 23, 2006

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